

Factors Influencing the Thermal Decomposition of
Potassium Picrate, by Z. Szabo.

HUNGARIAN, per, Hagyari Kemial Folyoirat, Vol 66,
No 6, 1960, pp 227-234.

NTC-71-11399-07D

AUREL SI 469563 23pp

Nov 71

Oxidations With Periodates. I. Determination of Serine and Threonine by the Aldehydes and Ammonia Formed in Their Oxidation With Periodates, by Laszlo Marcs, Elmer Schulek, 9 pp.

OKNAK, per, Magyar Kem Polyoirat, Vol LXVI, 1960,
pp 321-324.

AEC Tr-4429

Sci - Chem
Apr 61

149 053

Bognar, J.
NEW CATALYTIC REACTIONS, EXAMINATION OF
THEIR MECHANISM AND THEIR APPLICATION IN
THE TRACER ANALYSIS. Preliminary Publication.
[1961] 6p. (1 fig. omitted) 5 refs.
Order from SLA \$1.10

62-10023

I. Bognar, J.

Trans. of Magyar Kémiai Polydorat (Hungary) 1960,
v. 66, p. 331-332.

DESCRIPTORS: *Cobalt catalysts, Catalysts, Catalysis,
Chemical reactions, Oxidation-reduction reactions,
Reaction kinetics, Tracer studies.

Cobalt displays a very strong catalytical action in the
hydrogen peroxide oxidation of many dioxo-derivatives
(pyrocatechin, tiron, alizarine, etc.) The mechanism
of the catalytic action may be explained in all cases by
(Chemistry--Physical, TT, v. 7, no. 9) (over)

Office of Technical Services

Vanyék, M. U., Bardocz, A. and Voros, T.
TEMPERATURE MEASUREMENT IN SPARK DISCHARGES. [1962] 7p. 8 refs.
Order from SLA \$1.10

62-16688

Trans. of Magyar Kem[iai] Folyoirat (Hungary) 1960,
v. 66, p. 483-485.

DESCRIPTORS: *Electric discharges, Sparks, Temperature, Measurement, *Line spectrum, Determination, Equations.

One of the basic problems in the study of spark discharge mechanism is the temperature measurement. In general, the high temperatures are measured by emission spectroscopy. The Ornstein-Brinkman equation (Physica 1; 797, 1934) is very useful for temperature determination from line spectra but this formula leads frequently to unreal results. This work attempts to specify the (Physics--Spectroscopy, TT, v. 9, no. 6) (over)

62-16688

I. Vanyék, M. U.
II. Bardocz, A.
III. Voros, T.

Office of Technical Services

Krasznai, Istvan and Toth, Zoltan.

INVESTIGATION OF THE DETERMINATION OF
1,3-CHLOROBROMOPROPANE IN THE PRESENCE OF
ITS 1,2-ISOMER BY MEANS OF AN ACETONE SOLU-
TION OF SODIUM IODIDE. [1962] 14p. (tables
omitted) 6 refs.

Order from SLA \$1.60

62-16263

62-16263

I. Krasznai, I.
II. Toth, Z.

Trans. of Magyar Kemial Polyoirat (Hungary) 1961,
v. 67 [no. 1] p. 36-40.

DESCRIPTORS: *Chlorine compounds, *Bromine com-
pounds, *Propanes, Determination, *Molecular Isom-
erism, Acetones, Sodium compounds, Iodides.

By investigating the reaction between 1,3- and 1,2-
chlorobromopropane and the acetone solution of sodium
iodide the following facts were established. A small
(Chemistry--Analytical, TT, v. 9, no. 2) (over)

Office of Technical Services

Enrichment of B¹⁰ Isotope by Chemical Exchange.
by Istvan Kiss, Istvan Oroszki, 7 pp.

HUNGARIAN, per, Magyar Kemia Polyoirat,
Vol LXIV, 1953, pp 7, 8. 920075

AMC-tr-5383

Sci - Chem

Dec 62

o: 19.5 - 2

The Determination of Transport Numbers in the
Melts of Ionic Crystals, by I. Inzelt &
S. Langyel.

HUNGARIAN, per, Magyar Kemiai Folyoirat, Vol 64,
1958, pp 282-284.

AEC-BNL-Tr-150

P91.1341767

Sci/Chem
Apr 68

351,224

100-1071

(secret)

A Study of the Hydrogen-Deuterium Exchange in the Heterogeneous Phase Through Ion Exchange, by
Takashi Chikai Yamane, 31 pp.

BURGARIAN, pp., Makar Xemui Polyoilrat, Vol LXIV,
No 11, 1943, pp 717-723.

JPRS 3405

SAC - Chem
Jul 69

170, 0707

(U) - 3/11
Volatilistic Detonation of Zirconium; ZrCl₄ +
Ammonia with KMnO₄ in an Alkaline Solution.
by Anna Schmeier, Hilde Hartmann, 19 pp. URSI.

DEGRADATION, p. 2, Magyar Kémiai Poljeinek, Vol. LXV,
No. 1, Budapest, 1939, pp. 31-36.

JFM 2012-7

Sci. - Chem. zirconium
AUG 59

93-4415

Paper Chromatography by Means of the Line Furnace,
by Andras Biro, 10 pp.

HUNGARIAN, per, Magyar Kemial Polyoirat, Vol LXV,
1959, pp 245-249.

ABC tr-3959

Sci - Chem
Apr 60

112, 973

Vancso, S. I. and Maros, L.
MALEATE-FUMARATE ISOMERIZATION DURING
THE PREPARATION OF POLYGLYCOL FUMARATES:
THE EFFECT OF ISOMERIZATION ON THE
REACTIVITY OF COPOLYMERIZATION (PRELIMI-
NARY COMMUNICATION). [1963] 4p.
Order from ATS \$5.00 ATS-18Q70H

Trans. of Magyar Kemiiai Polimer (Hungary)
1959, v. 65, no. 7, p. 280-281.

DESCRIPTORS: *Maleic acid, *Fumaric acid,
Molecular isomerism, *Polymers, *Glycols,
Chemical reactions, Synthesis (Chemistry)
*Copolymerization.

(Chemistry--Organic, TT, v. 10, no. 6)

63-17755

- I. Title: Polyglycol fumarates
- II. Vancso, S. I.
- III. Maros, L.
- IV. Title: Effect . . .
- IV. ATS-18Q70H
- V. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

Mechanism of the Hydrolysis of Aryl Sulfenyl Chlorides, by E. Vinkler, K. Klivenyi.

HUNGARIAN, per, Magyar Kemisi Folycirat, Vol LXV,
No 11, 1959, pp 451-452.

MLL M. 2946

Sci - Chem

180, 013

Jan 62

Factors Influencing the Thermal Decomposition of
Potassium Picrate, by Z. Szabo,
HUNGARIAN, per, Nagyvar Kemial Folyoirat, Vol 66,
No 6, 1960, pp 227-234.
HTC-71-11399-07D

AURE 4 31 9 89563 23pp

Nov 71

Oxidations With Periodates. I. Determination of Serine and Threonine by the Aldehydes and Ammonia Formed in Their Oxidation With Periodates, by Laszlo Maros, Elmer Schulek, 9 pp.

Chem., per, Magyar Kem Polyoirst, Vol LXVI, 1960,
pp 321-326.

ABC Tr-4429

Sci - Chem
Apr 61

149,053

Bognar, J.
NEW CATALYTIC REACTIONS. EXAMINATION OF
THEIR MECHANISM AND THEIR APPLICATION IN
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62-10023

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(pyrocatechin, tiro, alizarine, etc.) The mechanism
of the catalytic action may be explained in all cases by
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62-10023

J. Bognar, J.

Office of Technical Services

<p>Vanyek, M. U., Bardocz, A. and Voros, T. TEMPERATURE MEASUREMENT IN SPARK DIS- CHARGES. [1962] 7p. 8 refs. Order from SLA \$1.10</p> <p>62-16688</p> <p>Trans. of Magyar Kern[iat] Polyoirat (Hungary) 1960, v. 66, p. 483-485.</p> <p>DESCRIPTORS: *Electric discharges, Sparks, Tempera- ture, Measurement, *Line spectrum, Determination, Equations.</p> <p>One of the basic problems in the study of spark discharge mechanism is the temperature measurement. In general, the high temperatures are measured by emission spectroscopy. The Ornstein-Brinkman equation (Physica 1; 797, 1934) is very useful for temperature determina- tion from line spectra but this formula leads frequently to unreal results. This work attempts to specify the (Physics--Spectroscopy, TT, v. 9, no. 6) (over)</p>	<p>62-16688</p> <p>I. Vanyek, M. U. II. Bardocz, A. III. Voros, T.</p> <p>Office of Technical Services</p>
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Krasznai, Istvan and Toth, Zoltan.

INVESTIGATION OF THE DETERMINATION OF
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TION OF SODIUM IODIDE. [1962] 14p. (tables
omitted) 6 refs.

Order from SLA \$1.60

62-16263

Trans. of Magyar Kemiai Folyoirat (Hungary) 1961,
v. 67 [no. 1] p. 36-40.

DESCRIPTORS: *Chlorine compounds, *Bromine com-
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chlorobromopropane and the acetone solution of sodium
iodide the following facts were established. A small
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62-16263

I. Krasznai, I.
II. Toth, Z.

Office of Technical Services

(IN-10)

Colorimetric Determination of Phenarsazine
Chloride, by Viktor Andriska, Gyorgi
Bruckner, 9 pp.

HUNGARIAN, per, Magyar Kemiiai Polyoirat,
Vol LXVII, No 6, 1961, pp 257-259.

JPRS 11.290

Sci . Chem
Dec 1:

178, 339

Szolcsanyi, P.

DERIVATION OF EQUATIONS EXPRESSING THE REACTION KINETICS IN FLUIDIZED BED REACTORS.
July 63, 4p. 7 refs.
Order from ICB in v. 3, no. 3, \$15.00/year

Trans. of Magyar Kemial Polyoitrat (Hungary) 1961
[v. 67] no. 7, p. 320ff.

DESCRIPTORS: *Reaction kinetics, *Fluidized solids,
Diffusion, Catalysts, Aluminum compounds, Silicates,
Chemical engineering, Differential equations.

(Engineering--Chemical, TT, v. 10, no. 7)

63-17874

I. Szolcsanyi, P.
II. International Chemical
Engineering, New York

Office of Technical Services

HEN

R-4027-D A-67

Change in the Melting Point of Steran-Structure
Compounds as a Function of Speed of Heating,
by Istvan Gyenes and Andrasne Laszlo, Magyar Kemiai
Polyoirat, Vol 67, 1961, pp 360-364

Hungarian - estimated foreign words:

Type original plus 3 carbon copies. Reproduce and
pasteup.

Gas Vapor Adsorption on Inhomogeneously Active
Solid Surfaces. VI, by J. Toth, 18 pp.
HUNGARIAN, per, Magy Kem Foly, Vol 67, 1961,
pp 397-402.
AEC/MLI-Tr-1643

Sci/Chem
Jan 70

400,161

Horvath, József.
MECHANISM OF ANAEROBIC MICROBIOLOGICAL CORROSION. I. INTERPRETATION OF THE EFFECT OF SULFATE-REDUCING BACTERIA ON THE BASIS OF POLARIZATION CURVES. [1963] 15p 13refs
Order from SLA \$1.60

TT-63-20712

- TT-63-20712
1. Title: Sulfate-reducing bacteria
 2. Title: Thiobacillus
 3. Author: Horvath, J.
 4. Title: Interpretation...

Trans. of Magyar Kemiai Egyetemes (Hungary) 1962,
v. 68 [no. 1] p. 5-9. (Abstract available)

DESCRIPTIONS: *Anaerobiology, *Corrosion, Bacteria, *Polarization, Reduction (Chemistry), *Sulphates, Iron, Steel

Electrochemical model tests were conducted, aimed at evaluating the exact mechanism of anaerobic microbiological corrosion of iron and steel caused by sulfate-reducing bacteria. Experimental results obtained in a liquid medium with mild steel electrodes demonstrate that the rapid corrosion occurring in the presence of (Metallurgy--Corrosion, TT, v. 11, no. 3) (over)

Office of Technical Services

Fejes, Pal, Czaran, Laszlo, and Schay, Geza.
FRONTAL GAS CHROMATOGRAPHY BY CONSIDERA-
TION OF THE CHANGE OF FLOW RATE RESULT-
ING FROM SORPTION. I. DETERMINATION OF AD-
SORPTION ISOTHERMS FROM THE SHAPE OF
STATIONARY FRONTS IN THE DIFFUSION RANGE.
[1963] 27p 14refs

Order from SLA \$2.60

TT-63-20718

Trans. of Magyar Kemial Polypirat (Hungary) 1962,
v. 68, no. 1, p. 11-19. (Abstract available)

DESCRIPTORS: *Gas chromatography, *Fluid flow,
Sorption, *Adsorption, Diffusion.

On the basis of the theory of stationary fronts forming
in the diffusion range, the sorption isotherms were
determined and it was demonstrated that the method
produces dependable results. From the point of view of
practical isotherm determination, the method is to be
(Chemistry--Physical, TT, v. 11, no. 4) (over)

TT-63-20718

I. Fejes, P.
II. Czaran, L.
III. Schay, G.
IV. Title: Determination...

*UKAEA (Architect)
Th No 76

Office of Technical Services

Morvai, József.

MECHANISM OF ANAEROBIC MICROBIOLOGICAL CORROSION. II. CORRELATIONS BETWEEN pH, CORROSION RATE, AND PRECIPITATION ZONE OF SOLID CORROSION PRODUCTS OF IRON AND STEEL
(Beiträge zum Mechanismus der Anaeroben Mikrobiologischen Korrosion. II.) [1963] 17p 7refs

Available on loan from SLA

TT-63-20711

TT-63-20711

I. Morvai, J.
II. Title: Correlations...

Transl. of Magyar Kémiai Folyóirat (Hungary) 1962,
v. 68 [no. 2] p. 34-39.

DESCRIPTION: *Iron, *Steel, *Pipes, *Corrosion,
*Bacteria, Electrochemistry, Hydrogen ion concentration, Chemical precipitation

On the basis of electrochemical model tests and theoretical calculations, correlations between pH and the rate of anaerobic microbiological corrosion are interpreted. It is established that the variation of corrosion (Metallurgy-Corrosion, TT, v. 11, no. 1) (over)

Office of Technical Services

Horvath, Jozsef and Novak, Mihaly.
MECHANISM OF ANAEROBIC MICROBIOLOGICAL CORROSION. III. CORRELATIONS BETWEEN OXIDATION REDUCTION POTENTIALS, pH, AND THE COMPOSITION OF CORROSION PRODUCTS ON THE BASIS OF POURBAIX DIAGRAMS. [1963] 17p 10refs
Order from SLA \$1.60 TT-63-20710

Trans. of Magyar Kemial Polyoirat (Hungary) 1962,
v. 68, p. 60-65." (Abstract available)

DESCRIPTIONS: *Anaerobiology, *Corrosion, *Oxidation-reduction reactions, *Hydrogen ion concentration, Sulphur, Iron

A potential - pH equilibrium diagram was constructed for the Fe - S - H₂O ternary system in connection with studying the mechanism of anaerobic microbiological corrosion. Correlations between pH and oxidation-reduction potentials are discussed in connection with the (Metallurgy--Corrosion, TT, v. 11, no. 3) (over)

TT-63-20710

1. Title: Pourbaix diagram
2. Title: Sulphite-reducing bacteria
3. Title: Thiobacilli
- I. Horvath, J.
- II. Novak, M.
- III. Title: Correlations...

Office of Technical Services

Jasz, A. and Lengyel, T.
INVESTIGATION OF MULTICOMPONENT ION-EX-
CHANGE EQUILIBRIA WITH RADIOACTIVE ISOTOPES.
Jan 63 [5]p. 3 refs.
Order from ICB in v. 3, no. 1, \$15.00/year

Trans. of Magyar Kemial Polyoirat (Hungary) 1962
[v. 68] no. 4, p. 167-[170].

DESCRIPTORS: *Ion exchange, Ion exchange, Resins,
Radioactive isotopes, *Cesium, *Rubidium, *Sodium,
Hydrogen, *Chemical engineering.

(Chemistry-Physical, TT, v. 9, no. 6)

63-12681

I. Jasz, A.
II. Lengyel, T.
III. International Chemical
Engineering, New York

Office of Technical Services

Electrochemical Studies on the Corrosion of
Copper in Aqueous Hydrogen Sulphide Solutions.
Part I. Interpretation of Electrode Potential
and Polarisation Data of the Potential -pH
Equilibrium Diagram of the Cu-S-H₂O Ternary

System, by J. Horvath.

EUROPEAN, per, Magyar Kemial Folyoirat, Vol 68,
No 5, 1962, pp 193-198.
NTC-71-16141-11F

Jan 72

Beck, Mihaly and Gorgo, Sandor.
CATALYTIC EFFECT OF OXYGEN-CARRYING COMPLEXES. A STUDY OF THE SYSTEM COBALT (II)-GLYCINE-YCINE-ASCORBIC ACID-OXYGEN. [1963] 14p
Order from K-H \$14.00 K-H 13081

Trans. of Magyar Kemial Polyolet (Hungary) 1963, v. 69, no. 2, p. 56-60.

DESCRIPTORS: *Oxygen, *Ascorbic acid, *Glycines, *Cobalt, Catalysis.

TT-45-22810

I. Beck, M.
II. Gorgo, S.
III. K-H-13081
IV. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

(Chemistry--Organic, TT, v. 11, no. 1)

Office of Technical Services

Heat Exchange and Diffusion between Gas and
Granular Aggregations as the Function of
Time in Industrial Units, by G. Sasvary.

K. Seitz.
HUNGARIAN, per, Magy. Kem. Poly., Vol 69, No
4, 1963, pp. 184-189.
CRL/D 818

ETC-69-31593

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aug 69

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The Characteristics of the Thermal Ethylene-Bromine Addition Reaction at Low Temperature,
by T. Berces.

HUNGARIAN, per, Magyar Kozlai Folyoirat, Vol
70, 1964, pp 138-142.
NLL Ref: 8732 (1300)

Sci-Chem
Aug 68

361,700

New Radioisotopic Method for the Determination of Trace Quantities of Chloride Ions, by K. Burger.
MAGYARORSZÁG, per, Nagy Igen Folyoirat, Vol 70, 1954,
pp 145-147.
REF. RIN 9-27-66

Sci/BNI
Nov 66

314,285

TT-65-11752

Field 7D

Devay, J.
EFFECT OF A. C. ON DISTRIBUTION OF D. C. ON
POLARIZED ELECTRODES (Valtoaran Hatasa az
Egyenáramnak Polarizált Elektrodokon való Elosztására),
17p, (foreign text included) 45refs.
Order from SLA: \$1.60 no TT-65-11752.

Trans. of Magyar Kemiúi Folyoirat (Hungary) v70 p191-6
1964.

I. Devay, J.

MR 619

Complexometric Titration of Zinc in the
Presence of Copper, by A. Kovach.
CZECH, per Magy. kem. Foly. Vol. 70, No. 6
1964, pp 252-256
GB 72

Sci -
Aug 67 337-485

Studies of the Catalyst Systems $TiCl_4 - Al_2Cl_6$
and Determination of the Catalytic Activity of the
Products in the Polymerisation of Ethylene, III,
by J. Varadi.
MUNGALAI, par. Magyar Kemiai Folyoirat, Vol 70,
1964, pp 443-445.
NLL Ref: 9022.84 (1402)

Sci-Chem
Aug 63

363,645

Spontaneous Emulsion Formation, by J. Vandor.

HUNGARIAN, per, Magyar Kem Lapja, No 4, 1946,
pp 592-595.

ATS HJ-1272

Sci - Chem
Apr 60

114, 565

Changes in Quality of Artificially Fermented
Tobaccos During Storage, 24 pp.
HUNGARIAN, per, Magyar Kemikusok Lapja, Vol II,
1947, pp 317-350.
K-H-1758

Aug 66

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Synthetic Lubricants, by L. Salursinszky.

HUNGARIAN, per, Magyar Kem Lapja, No 5, 1950,
pp 207-211.

*ATIC

Sci - Chem; Fuels
Jun 57

Electrolysis of Complex Silver Salt
Solutions, by T. Erdéy-Gruz, V.
Horváth.
HUNGARIAN, per, Nagyvár Kémikusok Lapja,
Vol 4, 1949, pp 524-31.
TC-1826

331, 498

Sci - Chem
Jul 67

(PLW 22.025)

Organic Fluorine Compounds, by Gyorgy Olah,
30 pp.

HUNGARIAN, no per, Magyar Kemikusok Lapja, No 11,
Budapest, Nov 1950, pp 343-350.

20.059 CIA/PDD/U-6619

EDur - Hungary

Sci - Chemistry, fluorine compounds

Dec 1954 CIS

Synthetic Lubricants, by Fischer-Tropsch and other
Processes, by Mihaly Freund.

HUNGARIAN, per, Magyar Kem Lapja, No 5, 1950,
pp 368.

*ATIC

Sci - Chem; Fuels
Jun 57

The pH Dependence of the Radiolytical Processes of
Dichromate Solutions, by Istvan Kosa-Somogyi,
Istvan Kiss, et al, 12 pp.
HUNGARIAN, per Magyar Kemial Polyoirat, Vol LXIX,
No 5, 1963, pp 206-209.
Navy 4031/NRL 1003

Sci-Chem
Feb 65

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(NY-10)

FIVE YEARS OF WORK AT THE RADIOCHEMICAL
LABORATORY OF THE RESEARCH INSTITUTE FOR
HEAVY CHEMICAL INDUSTRY, BY GGGG
G ANDOR ALMASY, SANDOR ORSOS, 6 PP.

HUNGARIAN, PER, MAGYAR KEMIKUSOK LAPJA,
VOL XVII, NO 2, 1952, PP 71-73.

JPRS 14,324

SCI...CHEN

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(DD 20762)

Special Points of View in the Processing of Synthetic
Rubbers, by Zoltan Bartha, 25 pp.

HUNGARIAN, no per, Nagyvárosi Kémikusok Lapja, Vol VII,
No 6, Budapest, Jun 1952, pp 174-181.

CIA/TDD/U-⁶
1/1085

Mbur - Hungary
Scientific - Chemistry, synthetic rubber

16,070

(TDD 20763)

Methods of Butadiene Polymerization With Alkali Metals,
by Béla Károlyi, 13 pp.

HUNGARIAN, no per, Magyar Kemikusai Lapja, Vol VII,
No 6, Budapest, Jun 1952, pp 182-185.

CIA/TDD/U-6086

EEur - Hungary
Scientific - Chemistry, synthetic rubber

16, 874

(FID 2076)

The Production of Synthetic Rubber by Means of Emulsion Polymerization, by Ilona László, 28 pp.

HUNGARIAN, no per, Magyar Kemikusok Lapja, Vol VII,
No 6, Budapest, Jun 1952, pp. 195-192.

CIA/FID/U-6037

EEur - Hungary
Scientific - Chemistry, synthetic rubber

16,076

(FDD 80751)

Substituting Synthetic Rubber for Natural Rubber,
by E. Breitner, 17 pp.

HUNGARY, no por, Nagymar Komiszok, Lapja, Vol VII,
A. S., Budapest, Jun 1952, pp 169-179.

CIA/FDD/U-6084

EEur - Hungary
Scientific - Engineering, synthetic rubber

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HEGEDUS A., MILLNER T., et al.

Analysis by the spectrophotometric method of small quantities
of calcium, strontium and barium occurring in mixture form

Dosage, par méthode spectrophotométrique, de petites quantités
de calcium, strontium et baryum se présentant sous forme de
mélange

Magyar Kem. Folyorat, 59, 304-309 (1953)

CEA-tr-X-359 - French

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Synthetic Linear Polymers III, The Dependence of
of the Refraction Index of Polymer Isomeric
Compounds on the Average Molecular
Weight, by Geczy, Istvan,
HUNGARIAN, per, Magyar Kemiai Folyoirat,
Vol LXX, No 2, 1964,
*ITD-TT-65-1583

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Oct 65

The Hardening of o-Cresol-Formaldehyde Resin,
by L. Schwämer.

HUNGARIAN, per, Magyar Kémiai Lapja, Vol XIII, 1958,
pp 68, 69.

AT&T KJ-1635

Sci - Chem

Jul 59

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Report on Soviet contributions to
the Chemical Industry, written by Ivan Rasy,
Soviet Union, Strategic Research Center, 22 JV.
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HUNGARIAN, per, Nagyar Szemle, Lapja, Vol
XXII, No 4, Budapest, 1956, pp 137-142.

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EFor - Hungary
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The Development of Hungarian Petroleum Processing Plants, by Gyula Domokos, 16 pp.
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XXXI, No 7, 8, 1958, pp 263-266.

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(2112-N/b)

Problems Relating to the Establishment of a
Synthetic Materials Industry, by Cyril Barby,
9 pp. UNCLASSIFIED

HUNGARIAN, per, Magyar Nemzetnek Lapja, Vol.
XIII, No 7, 8, 1958, pp 268-270.

DC 3995 109L-N

Kear - Poland
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Jan 59

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work of the Petroleum and Natural Gas Research Institute [of Hungary], by Gabor Kovacs, (Wk Econ Rpt on EUR, 241).

HUNGARIAN, per, Magyar Kemikusok Lapja, Vol XIII,
No 10-12, Budapest, Dec 1958, pp 390-392.

CIA/FDD Sum 2127

EUR = Hungary
Econ
Mar 59

84,020

AZS

EJ-5706 STUDIES ON THE FORMATION OF TITANIUM TETRACHLORIDE-ALUMINUM ALKYL CATALYST SYSTEMS IN CONNECTION WITH ATMOSPHERIC POLYMERIZATION OF ETHYLENE, L. Kovacs et al., Magyar Kemikusok Lapja 13, 180-3 (1958).
1950 W; 1 T; 10 F; 4 R \$ 9.90 (\$1.65)

Tasks of the Hungarian Chemical Industry in 1959,
by Sandor Czottner, (Wk Econ Rpt on KEDAR, 243).

HUNGARIAN, per, Magyar Kemikusok Lapja, Vol XIV, No 1,
Budapest, Jun 1959.

CIA/FDD Sum 2143

KEDAR - Hungary
Econ
Apr 59

84,352

SECRET

(NY-2768).

REB Current Situation of the Hungarian
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DESCRIPTORS: *Citric acids, Determination, Chloroform, Sulfuric acid, Acetic acids

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DESCRIPTORS: *Inorganic substances, Detection,
*Paper chromatography, Chromatographic analysis,
Colors, Reagents, Ions, Chemical reactions.

The application of a new developing agent in the detection of inorganic cations by paper chromatography is described. The dry chromatogram is sprayed by 0.5% benzidine dissolved in glacial acetic acid, partially dried and then exposed to furfural vapor. The filter paper develops an intense purple color, the cations (Chemistry--Analytical, TT, v. 10, no. 10) (over)

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